Labfy04adpall

Attachment 2

Automated Data Processing Requirements

Electronic Information Transmitted to the MRO:
The laboratory shall report negative test results electronically to the agency's MRO within an average of **12 hours** after receipt of the specimen by the laboratory and positive results electronically to the agency's MRO within an average of **24 hours** after receipt of the specimen by the laboratory. The laboratory shall be able to transmit results to the MRO by various electronic modalities including teleprinters, facsimile, CPU to CPU, file transfer protocol (FTP) through the Internet, computer dial-up file transfer, and E-mail via computer in a manner designed to ensure the security and confidentiality of the information. The data shall be protected during transmission using a method comparable to 128 bit encryption security from Verisign/RSA Inc. Results sent CPU to CPU, file transfer protocol (FTP) through the Internet, computer dial-up file transfer and by E-mail via computer shall be in a standard data format (e.g., ASCII) mutually agreed upon by the MRO (Questions concerning the mutually agreed upon format will be decided solely by the COTR). The Contractor shall use the format currently being used by the MRO. The following data fields shall be transmitted, at a minimum:

- Laboratory Accession Number
- Specimen ID Number (Drug Testing Custody and Control Form Number)
- Donor ID Number (Social Security Number)
- Date Specimen Kit Received By Laboratory
- Fatal Error Code(s)
- Non-Fatal Error Code(s)(administrative errors)
- Drug Test Result (as reported by laboratory)
- Date Laboratory Electronic Result Reported

Results shall not be provided verbally by telephone. The laboratory must ensure the security of the data transmission and limit access to any data transmission, storage and retrieval system. Each agency will select the transmission mode upon contract award.

Before any test result is reported (the results of initial tests, confirmatory tests, or quality control data), it shall be reviewed and the test certified as an accurate report by a certifying scientist. The report shall identify the drugs/metabolites tested for, whether positive or negative, and the cutoff for each, the specimen number assigned by the agency, and the drug testing laboratory specimen identification number.

The laboratory shall report as negative all specimens which are negative on the initial test or negative on the confirmatory test. Only specimens confirmed positive shall be reported positive for a specific drug.

The MRO may request from the laboratory and the laboratory shall provide quantitation of test results. Positive GC/MS drug tests must identify the specific drug or analyte found. The MRO may not disclose quantitation of test results to the agency but shall report only whether the test was positive or negative.

The Contractor shall have the ability to send an electronic copy (via

internet, email, facsimile, etc.) of the Federal Drug Testing Custody and Control Form to the MRO, within an average of 2 hours after they are signed by the certifying scientist. Requests for a second copy of the form shall be provided within an average of 2 hours from the time of the request (from MRO, collection contractor, agency representative).

Note: A laboratory may transmit a result (negative or non-negative) to an MRO by either faxing the completed Copy 1 or transmitting a scanned image of the completed Copy 1 by computer. A fax or scanned image of a completed Copy 1 is sufficient, by itself, for reviewing a negative result. For **a non-negative** result, the laboratory must send a hard copy of a completed Copy 1 to the MRO before the MRO can report the result to the employer.

MRO or collection contractor requests for an electronic retransmission of any result shall be sent on the same day the request is made, within an average of 2 hours from the time the request was made by the MRO or collection contractor.

Electronic Information Transmitted to the Collection Contractor:
The laboratory shall be able to distribute specimen accession data in an electronic (CPU to CPU, file transfer protocol - FTP through the Internet, and computer dial-up file transfer) to the DOI collection contractor in a standard data format (e.g., ASCII) mutually agreed upon by the collection contractor (Questions concerning the mutually agreed upon format will be decided solely by the COTR). The data shall be protected during transmission using a method comparable to 128 bit encryption security from Verisign/RSA Inc. This information shall be sent to the collection contractor immediately: 1) upon receipt (accessioning) of each specimen and; 2) after the specimen has been analyzed and the result reported to the MRO. The Contractor shall use the format currently being used by the Collection Contractor (for the Government FAST System). The following information shall be included, at a minimum (Note: for all of the current data file format information see Exhibit 1 – Data File Format/Layout) :

- Laboratory Accession Number
- Specimen ID Number (Drug Testing Custody and Control Form Number)
- Donor ID Number (Social Security Number)
- Date Specimen Kit Received By Laboratory
- Fatal Error Code(s)
- Non-Fatal Error Codes (administrative errors)
- Date Laboratory Electronic Result Reported

Note: for the current fatal/non-fatal error codes (no test codes) see Exhibit 2 – Fatal and Non-Fatal Error Codes (No Test Codes)

The laboratory shall NOT report toxicological test results to the DOI collection contractor.

Electronic Information Transmitted to the Agency:
The Contractor shall provide an internet browser application to the agency drug program manager in order to allow an agency to determine when a drug test specimen has been received and result reported out (not the actual result) by the contractor laboratory. Each agency will be provided with a unique user id and password. An agency may have multiple user levels within their agency. The data shall be protected during transmission using a method comparable to 128 bit

encryption security from Verisign/RSA Inc.

The internet application will allow agencies to query/search for specimens by unit id, ssn, specimen id number, and date range specimen was received and/or reported. The users shall also be able to print the individual case or reports of multiple cases based on the query (i.e., excel, .txt, pdf format).

There must also be a help manual (online or hard copy) to include information on how to: logon, query/search, print, etc.

The Contractor internet application shall be compatible with Internet Explorer version 4.0 (or later) and Netscape version 4.7 (or later). Questions concerning whether the functionality of the internet application meets the requirements of the contract will be decided solely by the COTR.

The Contractor shall be able to provide monthly bills and monthly statistical reports to agencies via the internet (i.e., excel, pdf, .txt).

The Contractor shall provide an internet hypertext link from its laboratory homepage to the homepage of the DOI drug program (as well as any other homepages of agencies riding the contract). A disclaimer may be provided to indicate the Contractor does not endorse and is not legally responsible for the content of the agency information.

Electronic Information Transmitted to the MRO, Collection Contractor and Agency:

The Contractor shall ensure the there are documented backup systems or methods to ensure the systems are always 100% operational, and that there is no down time (at a minimum from 7:00 am to 5:00 pm (eastern time), Monday through Friday.

The Contractor shall encrypt the data sent (using a method comparable to 128 bit encryption security from Verisign/RSA Inc.)to and from the Federal offices, to the MRO and the Collection contractor in order to ensure confidentiality of the data.

The Contractor shall provide an emergency/contingency plan covering all aspects of controls taken; risks assessed; safety measures implemented; to ensure proper precautions are taken to prevent unauthorized access or modification to data. The Contractor shall provide a virus protection feature and have a data backup plan.

A copy of the offeror's manual for the systems and their operation, sample copies of reports generated by the systems and any other backup material to describe other germane functions shall be provided.

Exhibit 1

Data File Format(s)/Layout(s)

The Contractor shall use the following data file format(s)/layout(s). One file shows the specimen has been received by the lab and the file shows when the specimen result has been reported by the lab.

Specimen Received by Lab

This file will update the table doi_donor_info.
The fields to be updated are listed below.

Fields	Length	Columns	Type	Description	Table column to be updated
Record Type	01	01	Char	"8"	
Accession No.	09	02-10	Char		Lab_accession_no
Barcode	09	11-19	Num		Will have barcode.Use as key
Specimen ID 1	30	20-49	Char	SSN	Will have donor SSN.Use as key
Specimen ID 2	15	50-64	Char		
Coll Date	08	65-72	Char	mmddyyyy format	Date_specimen_collected_on
Testtype	02	73-74	Char		
Location	04	75-78	Char	mmddyyyy format	
Recd Date	08	79-87	Char	mmddyyyy format	Date_spec_rcvd_by_lab
Notest code	10	88-97	Char	No Test Code	Depending on error_type flag in lab_notest_code update lab_error_code_fatal or lab_error_code_nonfatal field.

Validations :

Any error in the transmitted record should not be updated in the database.

Header Records

- Check for existence for Barcode and Donor ID combination.
- Check if date_specimen_collected_on is greater than request_received_date
- Check if date_spec_rcvd_by_lab is greater than request_received_date

Specimen Result Reported by Lab

Any Header record received will be updated in the table doi_donor_info.
The fields to be updated are listed below.
RECORD TYPE 1 (Header Record)

Fields	Length	Columns	Type	Description	Table column to be updated
Record Type	01	01	Char	"1" = header	
Barcode Number	10	02-11	Num	Pad with leading zeros	Barcode and SSN will be the key

Account Number	09	12-20	Num		
Specimen ID 1	24	21-44	Char	Name,employee ID,etc	Will have donor SSN.
Specimen ID 2	11	45-55	Char	Other identifying data	
Test Type	02	56-57	Char	Table provided by Pharmchem	
Location Code	04	58-61	Char	Collection location	
Collect Date	08	62-69	Date	mmddyyyy format	Date_specimen_collected_on
Received Date	08	70-77	Date	mmddyyyy format	Date_spec_rcvd_by_lab
Reported date	08	78-85	Date	mmddyyyy format	Date_result_reported_by_lab
Overall Result	01	86	Char	P, N, X.	Lab_result

RECORD TYPE 2 (Results Record)
Will be directly inserted in doi_drug_details depending on existence of record in doi_donor_info.

Fields	Length	Columns	Type	Description
Record Type	01	01	Char	"2" = Results record type
Barcode Number	10	02-11	Num	Pad with leading zeros
Drug Class	20	12-31	Char	Drug Class of test performed
Analyte	20	32-51	Char	Component Drug test
Screen Method	05	52-56	Char	"EMIT",etc
Screen Cutoff	04*	57-60	Num	Screening Threshold
Confirm Method	05	61-65	Char	"GC","GCMS",etc.
Confirm Cutoff	04*	66-69	Num	Confirmation Threshold
Cutoff Units	05	70-74	Char	Usually "NG/ML"
Results	01	75	Char	P, N, X.
Quant	04	76-79	Num	Only for opiate positives(upon request)

RECORD TYPE 3 (Footer Record)
Will update doi_donr_info table in the respective columns.

FIELD	LENGTH	COLS	TYPE	DESCRIPTION	Table Field
Record Type	01	01	Char	"3" = Footer	
Barcode Number	10	02-11	Num	Pad with leading zeros	
No Test Code	10	12-21	Num	Table provided by PharmChem	Depending on error_type flag in lab_notest_code update

					lab_error_code_fatal or lab_error_code_nonfatal field.
Cert.Scientist	24	22-45	Char	Certifying Scientist	
Additional Info	24	46-69	Char	Optional Flexible Data	
User Field 1	08	70-77	Char	User Defined Field	
Accession Number	09	78-86	Num	OMNI LAB Accession Number	Lab_accession_no

RECORD TYPE 4 (Comments Record) Only used if Comments Included.
Will update doi_donr_info table in the respective columns.

FIELD	LENGTH	COLS	TYPE	DESCRIPTION	Table column
Record Type	01	01	Char	"4" = Footer	
Barcode Number	10	02-11	Num	Pad with leading zeros	
Line Number	02	12-13	Num	Sequence number of comment line	
Comment Text	42	14-55	Char	Comment text	Lab_comments

Ignore Record Type '5'

Validations :

Any error in the transmitted record should not be updated in the database.

Header Records

- Check for existence for Barcode and Donor ID combination.
- Check if date_specimen_collected_on is greater than request_received_date
- Check if date_spec_rcvd_by_lab is greater than request_received_date
- Check if date_result_reported_by_lab is greater than request_received_date
- Valid values for overall_result if it is not null is , 'P' , 'N' or 'X'.
- If date result reported by lab has been received then check if the other two dates have been received or not.

Drug Detail Records

- Valid values for overall_result if it is not null is , 'P' , 'N' or 'X'.

Footer Record

- Check if notest code exists in the lab_notest_code file.
- If lab_accession_no is null then mark it as an error.

Current Status

When processing of a record goes through correctly and the database is updated then set the status to 12 , indicating that the results are awaiting from the MRO.
If there is any error in the LAB record set the status to 17 indicating an error in MRO request.
The error message will be updated in the status_message field.
If a notest error code is passed and it is a fatal error code the set the current_status column to 13 and request_closed = 'Y'. Also take the description of the notest_code from its master table and update the status_message field in the doi_donor_info table.

Exhibit 2

Fatal and Non-Fatal Error Codes (No Test Codes)

The Contractor shall use the following format/layout to report the fatal and non-fatal error codes (no test codes).

No Test Code	Description	Error Type
01	Specimen adulterated: Presence of Bleach detected	F
02	Specimen adulterated: Presence of Bleach detected	F
03	Specimen adulterated: Presence of Chromium detected	F
04	Specimen adulterated: Presence of Chromium detected	F
05	Dilute Specimen	N
"05,23"	"Dilute Specimen,Validity Testing performed"	N
"05,23 "	"Validity Testing performed,Dilute Specimen,Validity Testing performed"	N
06	Dilute Specimen	N
07	Presence of Glutaraldehyde detected	F
08	Presence of Glutaraldehyde detected	F
09	Specimen adulterated: Nitrite is too high	F
10	Specimen adulterated: Nitrite is too high	F
11	Specimen adulterated: Nitrite is >= 500	F
12	Specimen adulterated: pH is too high	F
13	Specimen adulterated: pH is too high	F
14	Specimen adulterated: pH is too low	F
15	Specimen adulterated: pH is too low	F
16	Specimen adulterated: Presence of Soap detected	F
17	Specimen adulterated: Presence of Soap detected	F
18	Creatinine < 20 mg/dl and Specific Gravity < 1.003	F
19	Not consistent with normal human urine	F
20	Not consistent with normal human urine	F
21	Unable to obtain valid drug test result	F
22	Unable to obtain valid drug test result	F
23	Validity Testing performed	N
"23 "	Validity Testing performed	N
"23,"	Validity Testing performed	N
"23,05"	"Validity Testing performed,Dilute Specimen"	N
"23,05 "	"Validity Testing performed,Dilute Specimen"	N
"23,05,03"	"Validity Testing performed,Dilute Specimen,Specimen adulterated: Presence of Chromium detected"	F
"23,05,N8"	"Validity Testing performed,Dilute Specimen,Extraneous paperwork received at Lab"	N
"23,06"	"Validity Testing performed,Dilute Specimen"	N
"23,06 "	"Validity Testing performed,Dilute Specimen"	N
"23,09"	"Validity Testing performed,Specimen adulterated: Nitrite is too high"	F
"23,19"	"Validity Testing performed,Not consistent with normal human urine"	F
"23,21"	"Validity Testing performed,Unable to obtain valid drug test result"	F

Exhibit 2

Fatal and Non-Fatal Error Codes (No Test Codes)

23;23	"Validity Testing performed, Validity Testing performed"	N
24	Specimen has an alcohol-producing microorganism	F
80	Lab Instruction:See Attached Paperwork	N
99	Affidavit not returned within 7 days	N
"99,23"	"Affidavit not returned within 7 days,Validity Testing performed"	N
"99,23,05"	"Affidavit not returned within 7 days,Validity Testing performed,Dilute Specimen"	F
A1	Federal collection on non-Federal form	N
"A1,23"	"Federal collection on non-Federal form,Validity Testing performed"	N
"A1,23 "	"Federal collection on non-Federal form,Validity Testing performed"	N
"A1,23,05 "	"Federal collection on non-Federal form,Validity Testing performed,Validity Testing performed"	N
A2	No donor ID and no donor refusal noted	N
"A2,23"	"No donor ID and no donor refusal noted,Validity Testing performed"	N
"A2,23 "	"Validity Testing performed,No donor ID and no donor refusal noted,Validity Testing performed"	N
"A2,23,05"	"No donor ID and no donor refusal noted,Validity Testing performed,Dilute Specimen"	N
A3	Donor ID or SSn smudged or not legible	N
"A3,23"	"Donor ID or SSn smudged or not legible,Validity Testing performed"	N
A4	Collector did not sign cert. statement	N
A5	Collect didn't date cert statement	N
A6	Date missing on CCF	N
A7	Inconsistent dates on CCF	N
A8	Signature missing on CCF	N
A9	Method of Shipment missing on CCF	N
Aa	Collect didn't sign cert statement	N
AA	"Split spec Noted ""No"" - bottle present"	N
Ab	Collector didn't date cert statement	N
Ac	CCF did not accompany bottle	F
Ad	Signature missing on CCF;name present	N
"Ad "	Signature missing on CCF;name present	N
"Ad,23"	"Signature missing on CCF; name present,Validity Testing performed"	N
"Ad,23 "	"Signature missing on CCF;name present, Validity Testing performed"	N
"Ad,23,05"	"Signature missing on CCF;name present,Validity Testing performed,Dilute Specimen"	N
"Ad,23,05 "	"Signature missing on CCF;name present,Validity Testing performed,Dilute Specimen"	N
Ae	Date missing on CCF and bottle label	N
Af	Specimen Temperature box not marked	N
"Af "	Specimen Temperature box not marked	N
"Af,23"	"Specimen Temperature box not marked,Validity Testing performed"	N
"Af,23 "	"Specimen Temperature box not marked,Validity Testing performed"	N
"Af,23,05"	"Specimen Temperature box not marked,Validity Testing performed,Dilute Specimen"	N

Fatal and Non-Fatal Error Codes (No Test Codes)

"Af,23,05 "	"Specimen Temperature box not marked,Validity Testing performed,Dilute Specimen"	N
Ag	Signature missing on CCF; name present	N
Ah	Date missing on CCF and bottle label	N
Ai	Specimen Temperature Box not marked	N
"Ai,23"	"Specimen Temperature Box not marked,Validity Testing performed"	N
Aj	CCF did not accompany bottle	F
Ak	No Donor ID or SSN refusal not noted	N
Al	Date missing on CCF	N
Am	Inconsistent dates on CCF	N
An	Signature missing on CCF	N
Ao	Method of Shipment missing on CCF	N
Ap	Donor ID smudged/not legible	N
Aq	Federal Collection on an Expired Form	N
"Aq,23"	"Federal Collection on an Expired Form,Validity Testing performed"	N
"Aq,23 "	"Federal Collection on an Expired Form,Validity Testing performed"	N
"Aq,23,05"	"Federal Collection on an Expired Form,Validity Testing performed,Dilute Specimen"	N
"Aq,23,05 "	"Federal Collection on an Expired Form,Validity Testing performed,Dilute Specimen"	N
B1	Collector did not sign cert. statement	N
B2	Required entries on CCF missing	N
B4	Date on bottle label does not match form	N
B5	Date missing on bottle seal	N
B8	Collector did not date step #5	N
B9	No donor ID/Donor refusal not noted	N
BB	Non-fed coll on fed CCF/fed coll on Non	N
C1	CCF did not accompany bottle	F
"C1,23"	"CCF did not accompany bottle,Validity Testing performed"	F
C2	Bottle did not accompany CCF	F
C3	Sample # on bottle and form don't match	F
C4	No Specimen ID on bottle	F
C5	No seal on bottle or seal not over top	F
C6	Seal broken or shows signs of tampering	F
C7	Quantity not sufficient <30 mls	F
"C7,23"	",Quantity not sufficient <30 mls,Validity Testing performed"	F
C8	Collector did not print/sign name on CCF	F
Ca	Bottle did not accompany CCF	F
Cb	Sample # on bottle and form don't match	F
Cc	No Specimen ID on bottle	F
Cd	No seal on bottle or seal not over top	F

Fatal and Non-Fatal Error Codes (No Test Codes)

Ce	Seal broken or shows signs of tampering	F
Cf	Quanitiy not sufficient 5 ml or less	F
Cg	Collector name and signature missing	F
CH	M Chromium Positive	F
CR	Sample cancelled at client request	N
DI	Specimen Dilute	N
FF	"Affidavit not returned, cancel sample"	N
N1	Date on label doesn't match date on form	N
"N1,23"	"Date on label doesn't match date on form,Validity Testing performed"	N
"N1,23 "	"Date on label doesn't match date on form,Validity Testing performed"	N
"N1,23,05"	"Date on label doesn't match date on form,Validity Testing performed,Dilute Specimen"	N
"N1,23,05 "	"Date on label doesn't match date on form,Validity Testing performed,Dilute Specimen"	N
"N1,23,21"	"Date on label doesn't match date on form,Validity Testing performed,Unable to obtain valid drug test result"	N
N2	Date missing on form	N
N3	Donor's initials missing on bottle seal	N
"N3,23"	"Donor's initials missing on bottle seal,Validity Testing performed"	N
"N3,23 "	"Donor's initials missing on bottle seal,Validity Testing performed"	N
"N3,23,05"	"Donor's initials missing on bottle seal,Validity Testing performed,Dilute Specimen"	N
N4	Temperature out of rangen noted on CCF	N
"N4,23"	"Temperature out of rangen noted on CCF,Validity Testing performed"	N
"N4,23 "	"Temperature out of rangen noted on CCF,Validity Testing performed"	N
"N4,23,21"	"Temperature out of rangen noted on CCF,Validity Testing performed,Unable to obtain valid drug test result"	A
N5	"Second collection noted in ""Remarks"""	N
"N5,23"	"Second collection noted in ""Remarks"",Validity Testing performed"	N
"N5,23 "	"Validity Testing performed,Second collection noted in ""Remarks"",Validity Testing performed"	N
N6	Suspected tampering/Adulteration noted	N
"N6,23"	"Suspected tampering/Adulteration noted,Validity Testing performed"	N
"N6,23 "	"Validity Testing performed,Suspected tampering/Adulteration noted,Validity Testing performed"	N
"N6,23,05 "	"Validity Testing performed,Suspected tampering/Adulteration noted,Validity Testing performed,Validity Testing performed"	N
N7	Report/Original copy of CCF not rec'd	N
N8	Extraneous paperwork received at Lab	N
"N8 "	Extraneous paperwork received at Lab	N
"N8,05,23"	",Extraneous paperwork received at Lab,Dilute Specimen,Validity Testing performed"	N
"N8,05,23 "	"Validity Testing performed,Extraneous paperwork received at Lab,Dilute Specimen,Validity Testing performed"	N
"N8,23"	"Extraneous paperwork received at Lab,Validity Testing performed"	N

Fatal and Non-Fatal Error Codes (No Test Codes)

"N8,23 " "Extraneous paperwork received at Lab,Validity Testing performed" N
"N8,23,05" "Extraneous paperwork received at Lab,Validity Testing performed,Dilute Specimen" N
"N8,23,05 " "Extraneous paperwork received at Lab,Validity Testing performed,Dilute Specimen" N
"N8,23,06" ",Extraneous paperwork received at Lab,Validity Testing performed,Dilute Specimen" N
"N8,23,06 " "Reason for test missing,Validity Testing performed,Extraneous paperwork received at Lab,Validity Testing performed,Validity Testing performed" N
"N8,23,19" "Extraneous paperwork received at Lab,Validity Testing performed,Not consistent with normal human urine" F
N9 Specimen older than 10 days N
"N9,23" "Specimen older than 10 days,Validity Testing performed" N
"N9,23 " "Specimen older than 10 days,Validity Testing performed" N
"N9,23,05" "Specimen older than 10 days,Validity Testing performed,Dilute Specimen" N
"N9,23,05 " "Validity Testing performed,Specimen older than 10 days,Validity Testing performed,Validity Testing performed" N
"N9,23,21" "Specimen older than 10 days,Validity Testing performed,Unable to obtain valid drug test result" F
Na "No donor ID or SSN, refusal not noted" N
Nb Temperature out of range - noted on CCF N
Nc Second Collection noted in Remarks N
NC "Affidavit not returned, cancel sample" N
"Nc,23""Second Collection noted in Remarks,Validity Testing performed" N
Nd Suspected tampering/adulteration noted N
Ne Donor ID or SSN smudged or illegible N
Nf Report/Original copy of CCF not received F
Ng Extraneous Paper Work Received at the Lab N
"Ng,23" "Extraneous Paper Work Received at the Lab,Validity Testing performed" N
"Ng,23 " "Validity Testing performed,Extraneous Paper Work Received at the Lab,Validity Testing performed" N
Nh Specimen older than 10 days N
Ni Date on label doesn't match date on form N
NI T Nitrite Positive F
Nj "Split bottle recd, CCF listed as ""NO""" N
Nk Reason for test missing N
"Nk,23" "Reason for test missing,Validity Testing performed" N
"Nk,23 " "Reason for test missing,Validity Testing performed" N
"Nk,23,05" "Reason for test missing,Validity Testing performed,Dilute Specimen" N
"Nk,23,05 " "Reason for test missing,Validity Testing performed,Dilute Specimen" N
Nl Reason for Testing missing N
"Nl,23" "Reason for Testing missing,Validity Testing performed" N
"Nl,23 " "Reason for Testing missing,Validity Testing performed" N

Fatal and Non-Fatal Error Codes (No Test Codes)

"Nl,23,05" "Reason for Testing missing,Validity Testing performed,Dilute Specimen" N

"Nl,23,05 "	"Reason for Testing missing,Validity Testing performed,Dilute Specimen"	N
Ns	Specimen is colorless	N
"Ns,23"	"Specimen is colorless,Validity Testing performed"	N
Nt	Specimen is blue	N
Nu	Specimen is green	N
"Nu,23 "	"Validity Testing performed,Specimen is green,Validity Testing performed"	N
"Nu,23,05"	"Specimen is green,Validity Testing performed,Dilute Specimen"	N
Nv	Specimen is red	N
"Nv,23"	"Specimen is red,Validity Testing performed"	N
"Nv,23 "	"Specimen is red,Validity Testing performed"	N
Nw	Specimen is black	N
PH	PH Out of Range	N
S1	CCF copy 3 did not accompany bottle	N
S2	Split bottle did not accompany CCF	N
S3	Specimen ID on bottle and CCF don't match	F
S4	No Specimen ID on bottle	F
S5	No seal on bottle or seal not over top	F
S6	Seal broken or shows signs of tampering	F
S7	Quantity not sufficient <15 ml	F
S8	Split different color/appearance than A	F
S9	Specimen Adulterated: Chromium detected	F
Sa	CCF copy 3 did not accompany bottle	N
SA	Test Not Performed: Specimen Adulterated	F
Sb	Split bottle didn't accompany CCF	N
Sc	Specimen ID on bottle & CCF don't match	F
Sd	No Specimen ID on Bottle	F
SD	Specimen Dilute	N
Se	No seal on bottle or seal not over top	F
Sf	Seal broken or shows signs of tampering	F
Sg	Quantity not sufficient < 5 ml	F
Sh	Split different color/appearance than A	F
SO	Specimen Adulterated Soap DOT	F
SS	Split specimen received	N
SU	Test Not Performed: Specimen Unsuitable	F
TO	Temperature out of range: see chain/CCF	N
US	Unsuitable Specimen	F